Amendment of Claims

Please amend the claims as indicated in the following listing of claims. This listing of claims will replace all prior versions and listings of claims in the present application.

Listing of Claims

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (previously presented) Apparatus for determining complexity of a software component, comprising:

logic for determining a plurality of versions of the software component and for finding lengths of compressed versions of the plurality of versions of the software;

means for compressing each of the versions, to provide the compressed versions;

means for comparing the lengths of the compressed versions; and

means for providing a software complexity metric comprising a comparison of the lengths of the compressed versions.

10. (previously presented) Apparatus for determining complexity of a software component, comprising:

logic for creating raw program text and normalized program text of the software component and for finding lengths of compressed raw program text and compressed normalized program text;

means for compressing the raw program text and the normalized program text to provide the compressed raw program text and the compressed normalized program text, respectively; and

means for finding a ratio of the length of the compressed raw program text to the length of the compressed normalized program text; and

means for providing a complexity metric comprising the ratio.

11. (previously presented) Apparatus for determining complexity of a software component, comprising:

logic for creating raw program text and normalized program text of the software component and for finding lengths of compressed raw program text and compressed normalized program text;

means for compressing the raw program text and the normalized program text to provide the compressed raw program text and the compressed normalized program text, respectively; and

means for finding a ratio of the length of the compressed raw program text to the length of the compressed normalized program text; and

means for providing a complexity metric comprising the ratio.

12. (previously presented) A program storage device readable by machine, tangibly embodying a program of instructions executable by machine to perform method steps for determining complexity of a software component, said method steps comprising:

creating a plurality of versions of the software component;

compressing each of the versions, to provide compressed versions;

finding lengths of the compressed versions;

comparing the lengths of the compressed versions; and

providing a software complexity metric comprising a comparison of the lengths of the compressed versions.

13. (currently amended) The program storage device of claim 12, wherein the plurality of versions ~~includes~~comprises raw program text.

14. (currently amended) The program storage device of claim 12, wherein the plurality of versions ~~includes~~comprises normalized program text.

15. (currently amended) The program storage device of claim 12, wherein the plurality of versions ~~includes~~comprises normalized unique program text.

16. (currently amended) The program storage device of claim 12, wherein the step of comparing ~~includes~~comprises a step of finding a ratio using the length of the compressed version of raw program text and the length of the compressed version of normalized program text.

17. (currently amended) The program storage device of claim 12, wherein the step of comparing ~~includes~~comprises a step of finding a ratio using the length of the compressed version of normalized program text and the length of the compressed version of normalized unique program text.

18. (previously presented) A program storage device readable by machine, tangibly embodying a program of instructions executable by machine to perform method steps for determining complexity of a software component, said method steps comprising:

creating raw program text and normalized program text of the software component;

compressing the raw program text and the normalized program text to provide compressed raw program text and compressed normalized program text, respectively;

finding the length of the compressed raw program text and the length of the compressed normalized program text;

finding a ratio of the length of the compressed raw program text to the length of the compressed normalized program text; and

providing a software complexity metric comprising the ratio.

19. (previously presented) A program storage device readable by machine, tangibly embodying a

program of instructions executable by machine to perform method steps for determining complexity of a software component, said method steps comprising:

creating normalized program text and normalized unique program text of the software component;

compressing the normalized program text and the normalized unique program text to provide compressed normalized program text and compressed normalized unique program text, respectively;

finding the length of the compressed normalized program text and the length of the compressed normalized unique program text;

finding a ratio of the length of the compressed normalized program text to the length of the compressed normalized unique program text; and

providing a software complexity metric comprising the ratio.